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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/736,280	12/15/2000	Jung-Ki Kim	06192.0172.NUS00	8129

7590

08/07/2003

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EXAMINER

AKKAPEDDI, PRASAD R

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 08/07/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/736,280

Applicant(s)

KIM, JUNG-KI

Examiner

Prasad R Akkapeddi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 May 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 December 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Claim 2, corresponding to Group B, in Paper No. 10 is acknowledged. The traversal is on the ground(s) that the subject matter of all claims is sufficiently related and the policy MPEP 803 applies to the present application. This is found to be persuasive. Hence the prosecution of the application in this office action is based upon all the claims in the application. The previous restriction requirement in paper no. 9 is hereby withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Ida et al. (Ida) (U.S. Patent No. 5,666,172).

As to claim 1: Ida discloses a liquid crystal display (11) comprising, a lamp (811), a lamp cover (850) which is bent once so as to define an upper plate (500) and a side plate (851) (Figs. 5 and 6) and which covers an upper portion and side portion of the lamp with a lower portion of the lamp being opened (Fig. 5), the lamp cover being arranged to reflect a light produced from the lamp. Ida also discloses a light guide plate (801) having an upper surface and a side surface

(Fig. 3), the light guide plate being arranged to a side of the lamp cover (850), the light guide plate receiving light produced from the lamp through the side surface and transmitting the light toward the upper surface and a rear reflector plate (821) arranged at a lower surface of the light guide plate (801) which is extended toward the lower portion of the lamp (Figs. 3-5), the rear reflector plate directing toward the upper surface of the light guide plate a light being leaked through the lower surface of the light guide plate (see the path of the light rays in Figs. 3).

As to claim 2: Ida discloses a liquid crystal display module comprising, a lamp (811), a lamp cover (850) which is bent twice so as to define an upper plate (500), a side plate (851), and a lower plate (852), (Figs. 5 and 6) and which covers an upper portion and side portion of the lamp. Ida discloses a light guide plate (801) having an upper surface, a side surface and a lower surface and arranged to a side of the lamp cover and receiving a light produced from the lamp through the side surface and transmitting the light toward the upper surface. Ida also discloses a rear reflector plate (821) arranged at a lower surface of the light guide plate, which directs toward the upper surface of the light guide plate a light being leaked through the lower surface of the light guide plate (Fig. 3). Ida discloses that the lower plate (852) of the lamp cover is prevented from coming into contact with the lower surface of the light guide plate so as to allow the lower portion of the lamp to be opened (Fig. 5), and the rear reflector plate is extended to the lower portion of the lamp so as to cover the lower portion of the lamp which is opened (Fig. 5).

As to claims 3 and 4: Ida discloses a liquid crystal display (11) comprising, a lamp (811), a lamp cover (850) which is bent so as to define an upper plate (500) and a side plate (851) (Figs. 5 and 6) and which covers an upper portion and side portion of the lamp with a lower portion of the lamp being opened (Fig. 5), the lamp cover being arranged to reflect a light produced from the lamp. Ida also discloses a light guide plate (801) having an upper surface and a side surface (Fig. 3), the light guide plate being arranged to a side of the lamp cover (850), the light guide plate receiving light produced from the lamp through the side surface and transmitting the light toward the upper surface.

Ida also discloses a liquid crystal display panel (11) constituted by an upper panel and a lower panel having a liquid crystal interposed therebetween, the liquid crystal display panel being arranged at the upper surface of the the light guide plate (801), a rear reflector plate (821) arranged at a lower surface of the light guide plate (Fig. 3).

Ida also discloses a square mold frame (500) for accommodating an assembly of the lamp, lamp cover, light guide plate, rear reflector plate and the liquid crystal display panel, and which has an open bottom surface so that the rear reflector plate is exposed to outside (Fig. 5), a back cover (850) arranged at a bottom surface of the lamp with the rear reflector plate (821) interposed between the back cover and the bottom surface of the lamp. The back cover being coupled at the bottom surface of the mold frame (500), the back cover

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supporting the lamp (811) and a square top chassis coupled to the mold frame.

The back cover has a light guide plate support member (600) which supports the light guide plate disposed onto the rear reflector plate by pressing the rear reflector plate (821) exposed through the opened bottom surface of the mold frame (Figs. 3-6) (Cols. 5 and 6). Ida discloses that the support member (600) is a resin frame, a non-rigid material.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prasad R Akkapeddi whose telephone number is 703-305-4767. The examiner can normally be reached on 7:00AM to 5:30PM M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H Kim can be reached on 703-305-3492. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0530.

PRR

July 23, 2003


PRASAD R AKKAPEDDI
SUPERVISOR
TECHNICAL CENTER 30